

1 Introduction

The QRNG Webservice plug-in allows Fairmat to use a free service hosted by the physic department of the university of Berlin as source of random numbers needed from Fairmat for the Monte-Carlo simulation. Random numbers are generated by exploiting quantum physic properties: from the authors: We provide a new quantum random number generator (QRNG) based on the quantum randomness of photon arrival times. It promises provable and long term statistical quality, speed as well as affordability (see http://qrng.physik.hu-berlin.de for more details).

2 How to use the plug-in

In order to use this plug-ins you have to follow the steps below:

- Register to to the QRNG page http://qrng.physik.hu-berlin.de/register/and retrieve your credentials to access to the service.
- From the Fairmat main menu open **Settings** / **Fairmat Preferences** / **Plug-ins Preferences**, select *qrng.physik.hu-berlin.de Settings* and enter your QRNG credentials.
- Again Settings / Fairmat Preferences / Plug-ins Preferences select Random Source Settings and select Qrng.physik.hu-berlin webservice.
- Finally, choose the Random Source Support plug-ins as random generator in Fairmat: go to **Fairmat Preferences** / **Advanced** and select "RandomSourcesSupport.RandomSourcesManager" as Random Generator.

